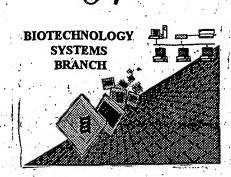
Copen

RAW SEQUENCE LISTING ERROR REPORT



01/80

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/036,959
Source: 01/4
Date Processed by STIC: 1/19/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility-that-the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:

 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/036,959
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8 Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11 <u>Use of <220></u>	Sequence(s) // missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



OIPE

DATE: 01/19/2002 RAW SEQUENCE LISTING TIME: 10:55:19 PATENT APPLICATION: US/10/036,959

Input Set : A:\CL1792 US NA Seq Listing.txt

Output Set: N:\CRF3\01192002\J036959.raw

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              Keiper-Hrynko, Natalie
     10 <120> TITLE OF INVENTION: Genes Involved in the Biosynthesis of Isopentenyl
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             Hevea brasiliensis Latex
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     15 <130> FILE REFERENCE: CL1792 US NA
    19 <140> CURRENT APPLICATION NUMBER: US/10/036,959
    19 <141> CURRENT FILING DATE: 2002-01-02
     19 <150> PRIOR APPLICATION NUMBER: 60/307,637
     20 <151> PRIOR FILING DATE: 2001-07-25
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/036,959

DATE: 01/19/2002 TIME: 10:55:19

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Output Set: N:\CRF3\01192002\J036959.raw

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DATE: 01/19/2002 TIME: 10:55:19

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454 Val Leu Ser Ala Asn Leu Gly Gln Ala Pro Ala Arg Gln Ala Al	80
455 65 70 75 457 Gly Ala Gly Ile Pro Asn Ser Val Ile Cys Thr Thr Ile Asn Ly	
458 85 90 95 460 Cys Ala Ser Gly Met Lys Ala Thr Met Leu Ala Ala Leu Thr Il	
100	, -
461 100 105 110 463 Val Gly Ile Asn Asp Ile Val Val Ala Gly Gly Met Glu Ser Me	t Ser
464 115 120 125 466 Asn Ala Pro Lys Tyr Leu Ala Glu Ala Arg Arg Gly Ser Arg Le	eu Glv
125 140	
467 130 135 140 469 His Asp Thr Ile Ile Asp Gly Met Leu Lys Asp Gly Leu Trp As	sp Val
	160
470 145 150 155 472 Tyr Asn Asp Phe Gly Met Gly Val Cys Ala Glu Ile Cys Ala As	
472 Tyr Ash Asp Phe Gly Met Gly Val Cys Ald Gld 116 676 112 114 114 114 114 114 114 114 114 114	75
473 475 His Asn Ile Thr Arg Glu Glu Lys Asp Ser Tyr Ala Ile Arg Se	
1/6	u Ile
478 Glu Arg Gly Asn Ser Ala Gln Asn Gly Gly Val Phe Ser Trp G	
479 195 200 203 481 Val Pro Val Glu Val Ser Gly Gly Arg Gly Lys Ser Val Met Va	al Val
482 210 215 220 484 Asp Lys Asp Glu Gly Leu Ile Lys Phe Asp Ala Ala Lys Leu A	ca Lys
	240
487 Leu Arg Pro Ile Ser Arg Ile Gly Ser Val Thr Ala Gly Asn A	

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<211> 25

<212> DNA

<213> Artificial Sequence

) see den 11 on Euro Summary Sheet

<400> 16

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/036,959

DATE: 01/19/2002 TIME: 10:55:21

Input Set : A:\CL1792 US NA Seq Listing.txt Output Set: N:\CRF3\01192002\J036959.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1113 M:258 W: Mandatory Feature missing, <220> FEATURE: L:1113 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: